

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00544\_3 ~ SR2MRX-XT13LE1-XD2FXXK-XNMWGL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] SP-00544\_3  
[TESTLAB] VLS-245-981  
[MANUFAC] Spectrum Lighting  
[ISSUE DATE] 2/20/2017  
[UPDATE] 4/19/2017  
[LUMCAT] SR2MRx-XT13L-E1-xD2F-xxK-XN-MW-GL  
[LUMINAIRE] Nom. 2" Round or Square Trim Downlight, Xtra Narrow Beam  
[OTHER] Matte White Trim, clear glass lens  
[OTHER] 14.6 Degree Beam Angle  
[LAMP] N/A  
[LAMPCAT] N/A, Min. 83 CRI  
[OTHER] Total Luminaire Watts is approximate  
[OTHER] For New Construction Non-IC Housing: SR2MO-XT-series  
[OTHER] For Remodel/Retrofit Housing: SR2MR-XT-Series  
[OTHER] For RD2F or SD2F Downlight Trim  
[OTHER] LEDXT lumen output is the same for all available CCT's  
[OTHER] This report prepared by Spectrum Lighting

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1173
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	57
Total Luminaire Watts	20.4
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.26
Spacing Criterion (90-270)	0.26
Spacing Criterion (Diagonal)	0.26
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	0.24 ft (Diameter)
Luminous Height	0.00 ft

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Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	16143	14899	14093
55	7006	7211	7058
65	3981	4314	4371
75	2912	3080	2906
85	0	0	4975

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	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
<b>0</b>	7791.518	7791.518	7791.518	7791.518	7791.518
<b>5</b>	5764.205	5669.143	5518.897	5347.698	5280.877
<b>10</b>	1680.339	1625.050	1765.442	1946.828	2109.134
<b>15</b>	769.857	759.185	743.380	741.336	754.573
<b>20</b>	579.291	579.550	580.530	576.063	572.943
<b>25</b>	534.993	538.567	532.151	534.680	531.037
<b>30</b>	491.271	493.741	494.384	495.888	497.846
<b>35</b>	288.250	288.333	288.906	289.808	305.458
<b>40</b>	74.357	84.294	82.324	85.004	91.865
<b>45</b>	46.041	48.414	42.493	38.877	40.194
<b>50</b>	31.700	33.754	24.712	22.320	21.745
<b>55</b>	16.207	18.227	16.681	15.399	16.329
<b>60</b>	10.922	10.758	10.837	10.470	11.927
<b>65</b>	6.786	6.053	7.354	7.443	7.451
<b>70</b>	5.492	6.019	5.535	5.782	6.957
<b>75</b>	3.040	2.531	3.215	2.648	3.034
<b>80</b>	1.199	1.629	1.354	1.787	1.641
<b>85</b>	0.000	1.758	0.000	0.000	1.749
<b>90</b>	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	682.43	N.A.	58.20
0-30	929.38	N.A.	79.20
0-40	1107.58	N.A.	94.40
0-60	1161.06	N.A.	99.00
0-80	1172.13	N.A.	99.90
0-90	1172.91	N.A.	100.00
10-90	751.89	N.A.	64.10
20-40	425.15	N.A.	36.20
20-50	462.81	N.A.	39.50
40-70	61.09	N.A.	5.20
60-80	11.07	N.A.	0.90
70-80	3.47	N.A.	0.30
80-90	0.78	N.A.	0.10
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	1172.91	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	421.02
10-20	261.41
20-30	246.95
30-40	178.20
40-50	37.66
50-60	15.82
60-70	7.60
70-80	3.47
80-90	0.78
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

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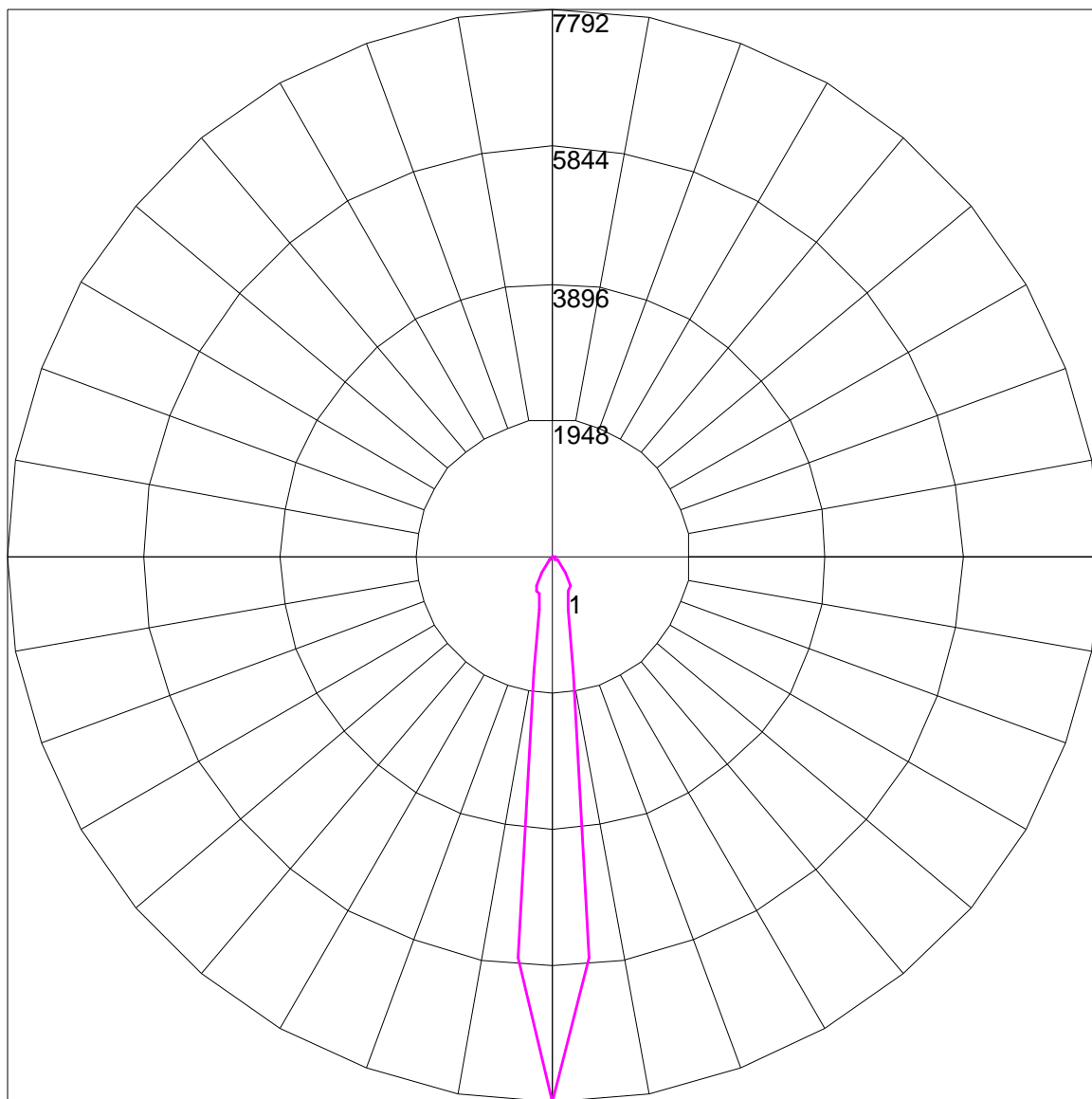
## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	93	92	90
3	105	100	96	92	104	99	95	92	96	93	90	94	91	89	92	89	88	86
4	101	95	90	87	100	94	90	86	92	88	85	90	87	84	88	86	83	82
5	98	91	86	82	96	90	85	82	88	84	81	87	83	81	85	82	80	79
6	94	87	82	78	93	86	81	78	85	81	78	83	80	77	82	79	77	75
7	91	83	78	75	90	83	78	75	81	77	74	80	77	74	79	76	74	72
8	88	80	75	72	87	79	75	72	78	74	71	78	74	71	77	73	71	70
9	85	77	72	69	84	77	72	69	76	72	69	75	71	69	74	71	68	67
10	82	74	70	67	81	74	70	67	73	69	66	73	69	66	72	69	66	65

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POLAR GRAPH



Maximum Candela = 7791.518 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180)